**RF POWER AMPLIFIER**

### Specifications @ +25°C

- **Frequency Range**: 1MHz ~ 1000MHz
- **Small Signal Gain**: +40.0dB (min.)
- **Gain Flatness**: ±1.5dB (max.)
- **Output Power**: 10W (min.) @ 1dB Comp.
- **Output I.C.P**: +50.0dBm (typ.)
- **Noise Figure**: 10dB (typ.)
- **Harmonics**: -18.0dBc (max.) @Po=10W
- **Spurious**: -60.0dBc (max.) @Po=10W
- **Operation Mode**: Class A
- **Impedance**: 50Ω
- **Input VSWR**: 2.0 (max.)
- **Output VSWR**: 3.0 (max.)
- **AC Supply Input**: AC100V～240V / 1φ, 50/60Hz, 150VA
- **Maximum RF Input Power**: +3dBm
- **Operating Temperature**: -10°C to +45°C
- **Storage Temperature**: -15°C to +65°C
- **Connectors**: RF - IN SMA - FEMALE
- **RF - OUT SMA - FEMALE
- **Size**: (W)260mm × (D)350mm × (H)177mm
- **Weight**: 10.0kg (max.)
- **Cooling**: Forced Air Cooling

### TYPICAL PERFORMANCE (Temp @+25°C)

<table>
<thead>
<tr>
<th>Frequency(MHz)</th>
<th>Gain Flatness</th>
<th>Input / Output VSWR</th>
<th>Output Power @1dB comp</th>
<th>Noise Figure</th>
<th>Output Power Linearity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **OUTLINE DRAWING ※IN MILLIMETERS**

- **HOW TO ORDER**
  - **Model Number**: R&K-A000110-4040-R
  - **No Option**

---

R&K reserves the right to make changes in the specifications or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.